

ABSTRACT

5 A method for secure communications between a client and one of
a plurality of servers performed on an intermediary device coupled to the
client and said plurality of servers. In one aspect, the method comprises:
establishing an open communications session between the intermediary
device and the client via an open network; negotiating a secure
communications session with the client; establishing an open
communications session with said one of said plurality of servers via a
10 secure network; receiving encrypted data from the client via the secure
communications session; decrypting encrypted application data;
forwarding decrypted application data to the server via the secure
network; receiving application data from the server via the secure
network; encrypting the application data; and sending encrypted
15 application data to the client. In a further aspect, an apparatus including
a network interface communicating with the public network and the
secure network at least one processor, programmable dynamic memory
addressable by the processor, and a communications channel coupling
the processor, memory and the network communications interface is
20 provided. The apparatus further includes a proxy TCP communications
engine, a proxy SSL communications engine, a server TCP
communications engine; and a packet data encryption and decryption
engine.